Preference-Aligned Fertility Management: Assessing the Feasibility of a New Measure of Contraceptive Autonomy

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^a Population Services International, Washington DC, USA ^c Population Services International, Nairobi, Kenya ^b Society for Family Health Nigeria, Abuja, Nigeria **Affiliations:** 3 Universal access to sexual and reproductive health Among participants using contraception at 3.5 Incorporating care – including family planning (FP) – is a global months, we observe significant differences in method 60% method type by PFM priority, yet there is no standard approach to satisfaction 50% reduced the measuring rights-based FP program outcomes. Girls without PFM reported lower method satisfaction, although this prevalence of 40% difference was not statistically significant. Current outcome measures focused on PFM at 3.5 Contraceptive Characteristics of contraceptive uptake/use may incentivize coercion. months by 4% 30% Participants Using Contraception points – from 20% at 3.5 Months PFM (Step 1) 97% (Step 1) to 93% (Step 2). Yes assess Preference-Aligned Fertility Management (PFM), a newly 10% (N=996) p-value (N=30)proposed measure¹ defined as concordance between self-reported demand and n (%) n (%) One-third of girls 0% Method type could be considered Study population: Married adolescent girls aged 15-19 initiating modern 9 (0.9) 0(0)IUD unsatisfied or passive contraception within 15 public FP clinics in Kaduna and Nasarawa States of 200 (20) 10 (33) users of their current Implant Northern Nigeria. Study facilities were supported by Adolescents 360 (A360), a method. Injectable 16 (53) 620 (62) 152 (15) <0.001^a program led by Population Services International which aims to expand OCPs 1 (3) contraceptive access through adolescent-responsive programming 1 (3) ECP 0(0)**Design:** Prospective cohort study with facility-based recruitment; surveys Male condom 1 (3) 11 (1) 0(0)3 (0.3) conducted at baseline and at 4 waves of follow-up at 17-week intervals Female condom Current use of (any) Satisfied with met 1(3)Withdrawal 1 (0.1) Variable Ascertainment: Two PFM variables (Steps 1 and 2) were captured: contraception 209 (21) 0.104^a Use of LARC method 10 (33) Current non-use contraception Method satisfaction (median, IQR) 8 (8, 10) 10 (8, 10) 0.052^b Current sometimes use Unsure whether Unsatisfied with me LARC = long-acting reversible contraceptive (implants and IUD); Notes: No respondents reporting sometimes use of contracep wants to use ^aX² test; ^b Wilcoxon rank-sum test (without reference to a specific method). Tables adapted from PFM PFM PFM^a PFM (Step 1) ranged from 92-97% across waves, with 20% of טטווכווו אטוווכנווווכא עאנ 100 respondents (n=203/993) not practicing PFM at 1 or more wave Unsure whether Across all waves, most discordance was due to undesired contraceptive use. wants to use 80 -PFM No PFM PFM 80 -60 PFM^a No PFM Respondent reported that there are no times that they want to, but cannot, use contraception (without reference to a specific method). 40 -Statistical Analysis: We described point prevalences of PFM (Steps 1 and 2) at 40 waves 1-4. We used χ^2 and Wilcoxon-ranked sum tests to identify characteristics 20 20 -**RESULTS:** 96% (n=1,056/1,101) of participants completed the 3.5 follow-up; Wave 2 Wave 2 Wave 3 90% (n=993) completed all 4 waves of follow-up. Study participants were primarily Wave 1 Wave 4 PFM - not sure desire 18 (n=396, 38%) or 19 (n=515, 49%) years old and Muslim (85%). One-fifth (n=208) PFM - yes desire and use PFM - no desire or use PFM - not sure desire No PFM - no desire, yes use No PFM - yes desire, no use had previously used contraception. At enrollment, 59% were using injectables and Notes: Patterns of PFM among all 993 respondents with complete data (LEFT) and among 203 respondents not practicing PFM at 1 or more waves (RIGHT) s who wanted **CONCLUSIONS:** nce between Preference-aligned fertility management is a among girls new, straightforward FP outcome measure that can provide actionable data to advance TOTAL rights-based FP programs and policies. 1,019 (97%) 30 (3%)

7 (0.7%)

1,056 (100%)

METHODS

Aims: use of contraception

STEP 1 assesses concordance between desire and actual use of (any)				
	Wants to use (any) contraception	Does not wan use (any) contraceptic		
Current use of (any) contraception	PFM	No PFM		
Current non-use	No PFM	PFM		
Current sometimes use	PFMa	No PFM		

STEP 2 incorporates method-specific preferences

-		Wants to use (any) contraception	Does not wan ⁻ use (any) contraceptic
Current use of (any)	Satisfied with method	PFM	No PFM
contraception	Unsatisfied with method	No PFM	
Current non-use		No PFM	PFM
Current comptimes upo	Satisfied with method	PFM ^a	No PFM
Current sometimes use	Unsatisfied with method	No PFM	
^a Respondent reported that there are no times that they want to, but cannot, use contraception (without reference)			ion (without referen

Tables adapted from Holt et al. (2023)

correlated with 3.5-month PFM. All analyses are complete case.

20% implants.

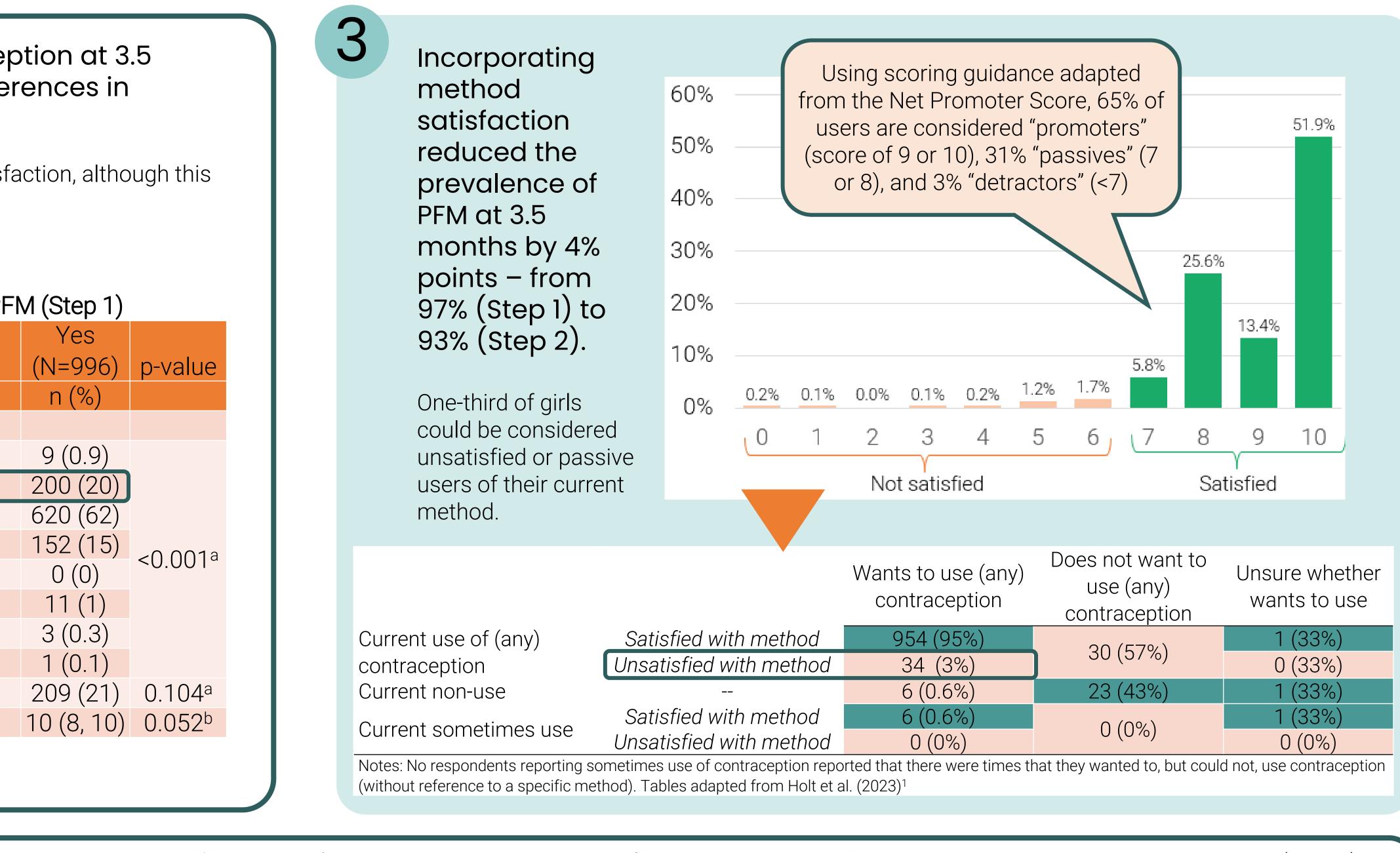
Prevalence of PFM at 3.5 months was 97%. 99% of girls
to were currently using contraception. Most discordar
desired and actual contraceptive use was observed a
who were using contraception but did not want to be.

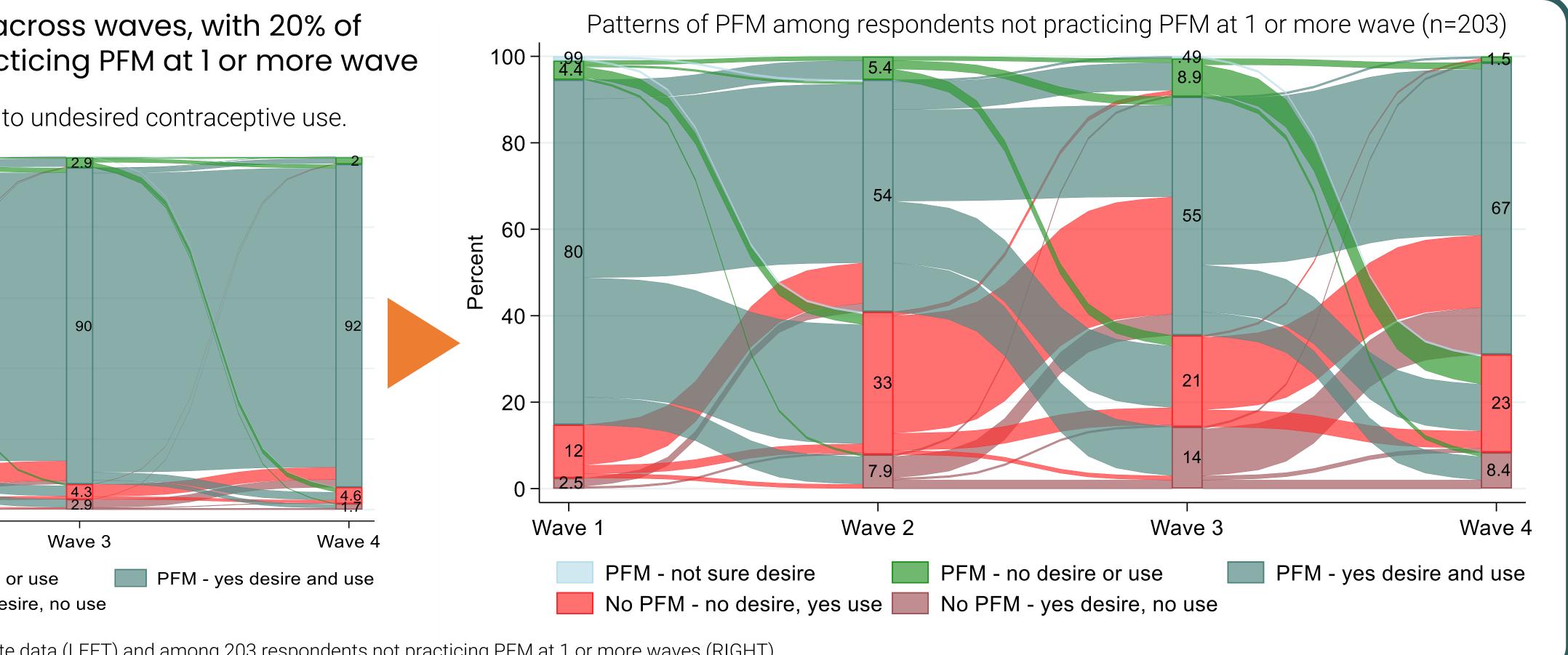
C	•		
	Wants to use (any) contraception	Does not want to use (any) contraception	Unsur whether w to use
	N (%)	N (%)	N (%)
Current use of (any) contraception	988 (99%)	30 (57%)	1 (33%
Current non-use	6 (0.6%)	23 (43%)	1 (33%
Current sometimes use	6 (0.6%)	0 (0%)	1 (33%
TOTAL*	1,000 (95%)	53 (5%)	3 (0.3%
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Notes: Teal cells represent practicing PFM; pink represent not practicing PFM * Row percentages; all other percentages are column percentages

Funding: This work was supported by the Bill & Melinda Gates Foundation under grant (INV-004274) and the Children's Investment Fund Foundation under grant (R-1911-04245). The contents of this article are those of the authors and do not necessarily reflect the views of funders.

¹ Holt K, Galavotti C, Omoluabi E, Challa S, Waiswa P, Liu J. Preference-Aligned Fertility Management as a Person-Centered Alternative to Contraceptive Use-Focused Measures. Studies in Family Planning. 2023;54(1):301-8.





Within the context of an adolescent SRHR program in Northern Nigeria, discordance between self-identified demand for and use of contraception was prevalent, with most discordance due to unwanted contraceptive use. Such information may be useful for program implementers and policymakers to direct targeted support for contraceptive autonomy whether to expand access to those who wish to initiate or continue contraceptive use, or to remove barriers to method switching and discontinuation for those who do not.

•	Wants to use (any) contraception	Does not want to use (any) contraception	Unsure whether wants to use	
thod	954 (95%)	20(E70)	1 (33%)	
ethod	34 (3%)	30 (57%)	0 (33%)	
	6 (0.6%)	23 (43%)	1 (33%)	
thod	6 (0.6%)	0 (0%)	1 (33%)	
ethod	0 (0%)	0 (0 %)	0 (0%)	
ption reported that there were times that they wanted to, but could not, use contraception In Holt et al. (2023) ¹				





